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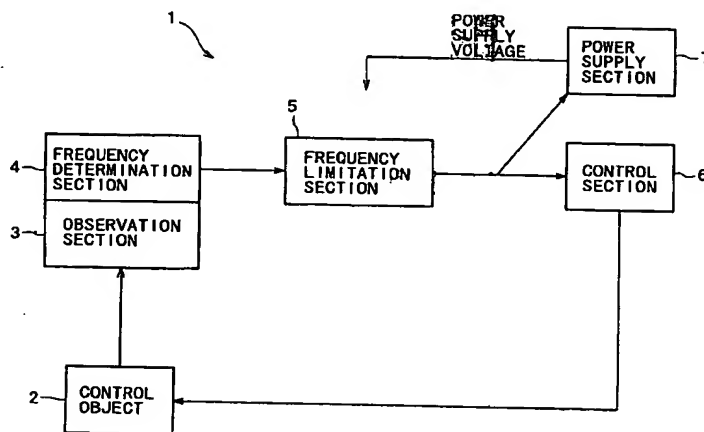
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[Continued on next page]

(54) Title: **FREQUENCY CONTROL APPARATUS, INFORMATION PROCESSING APPARATUS AND PROGRAM**



(57) Abstract: A frequency control apparatus and an information processing apparatus are disclosed wherein it is possible, in control of an operation frequency of a control object performed in response to a result of observation of an operation state of the control object, to limit the operation frequency or designate an allowable value or the like to achieve improvement in performance and power-saving. The frequency control apparatus (1) includes an observation section (3) for observing an operation state of a control object (2) which operates with a variably controlled frequency, a frequency determination section (4) for determining a clock frequency in response to the operation state, and a frequency limitation section (5) for limiting a range or a value of the clock frequency determined by the frequency determination section (4). If the frequency determined in response to the operation state of the control object (2) is within an allowable range, the control is performed with the frequency, but if the frequency is outside the allowable range, the frequency is limited to the range.



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Minimum documentation searched (classification system followed by classification symbols)

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Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, IBM-TDB

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 0 712 064 A (DIGITAL EQUIPMENT CORP) 15 May 1996 (1996-05-15)  column 4, line 16 - column 9, line 31 figures 1-6	1-9, 15-18, 21-23, 29, 30
X	WO 03/021407 A (ANALOG DEVICES INC) 13 March 2003 (2003-03-13)  page 8, line 5 - page 15, line 6 figures 2-6	1-3, 7, 8, 15-17, 21, 22, 29, 30
A		4, 9, 18, 23

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
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